



# Jaffrey US 202 (Part A)

Advisory Committee #6  
May 29, 2018



# ONE YEAR RECAP

May 2017  
Meeting # 1

Committee Roles and Responsibilities  
Project History/Study Overview  
Public Outreach  
Study Schedule  
Data Collection

June 2017  
Meeting # 2

Existing Traffic Conditions  
Purpose and Need Statement

Sept 2017  
Meeting # 3

Purpose and Need Statement  
Env. & Cultural Resource Mapping  
Future Year Traffic Volumes  
Defining Alternatives

1<sup>st</sup> Newsletter



Oct 2017 Public Meeting

Oct 2017  
Meeting # 4

Discussed Input from Public Meeting  
"Poynton Regenerated" video

Feb 2018 Public Workshop

Feb 2018  
Meeting # 5

Traffic Signal Upgrade  
Build Alternatives

2<sup>nd</sup> Newsletter



March 2018 Select Board

May 2018  
Meeting # 6

Proposed Action



# STUDY/PROJECT SCHEDULE RECAP

Phase 1 (Spring/Summer 2017)  
Data Collection/Problem Identification

Phase 2 (Fall 2017/Winter/Spring 2018)  
Develop, Evaluate, & Screen Alternatives

Phase 3 (Summer/Fall 2018)  
Environmental Documentation

Anticipated Construction 2022-2024

**Proposed Action**

# THE PROBLEM

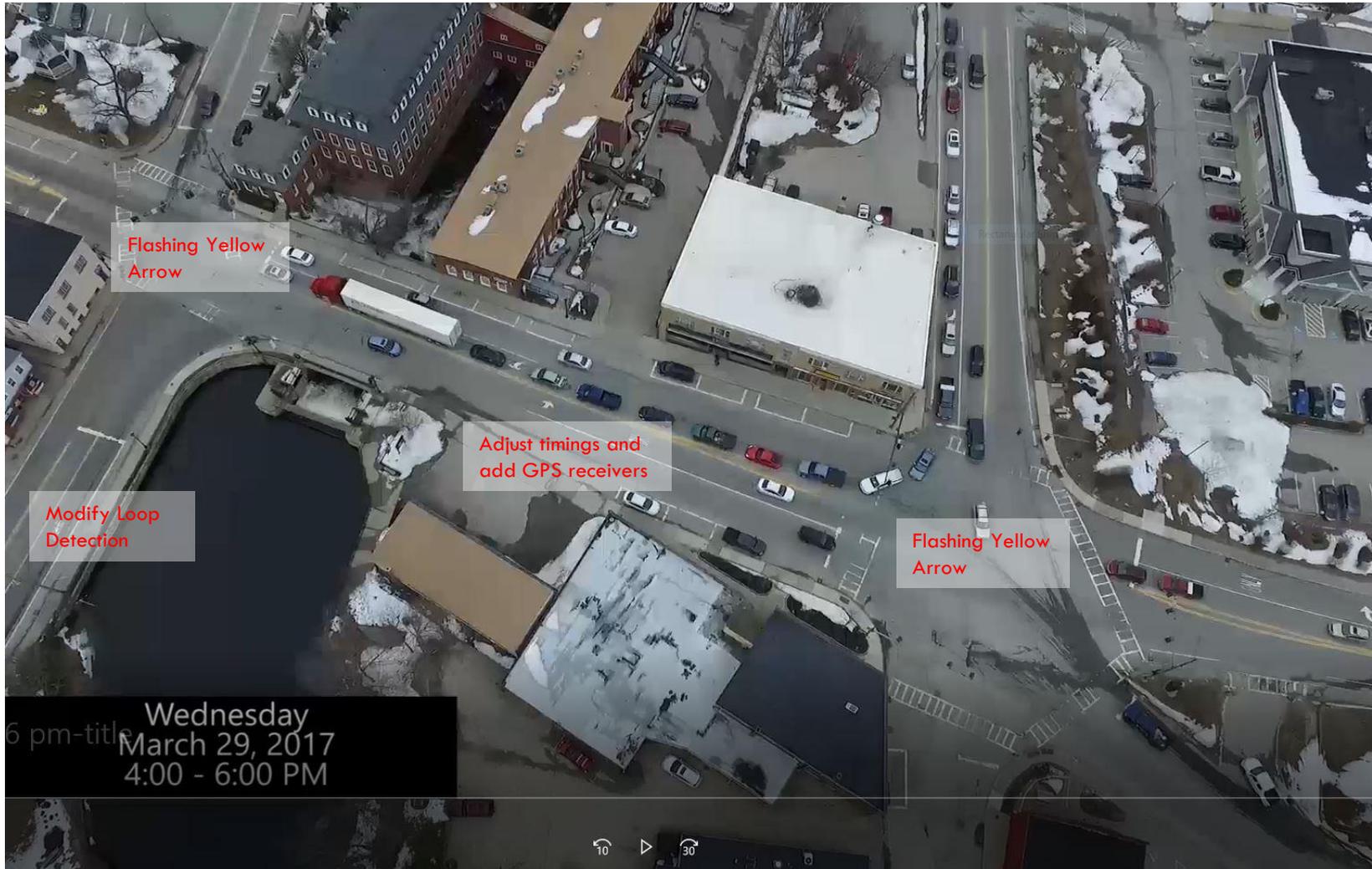


# OPPORTUNITIES TO ADDRESS THE PROBLEM

- **TSM Alternatives** (Improve Efficiency of Signals)
- **Build Alternatives**

# TSM ALTERNATIVE

# INTERIM SIGNAL ENHANCEMENTS



# BUILD ALTERNATIVES





**Alternative 1**



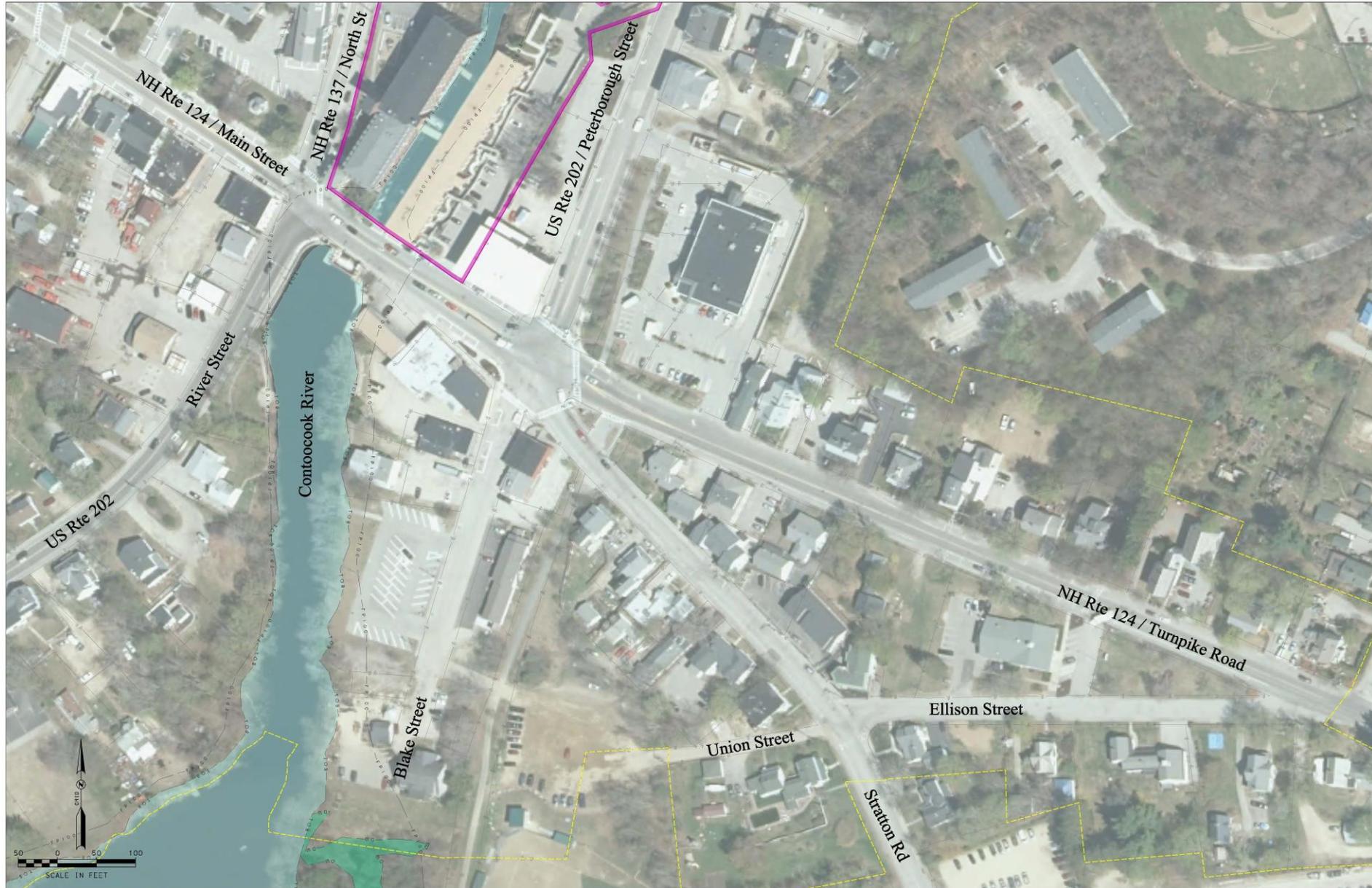
**Alternative 2**



**Alternative 3**



**Alternative 1**





Signal - 5 Leg



Signal - 4 Leg



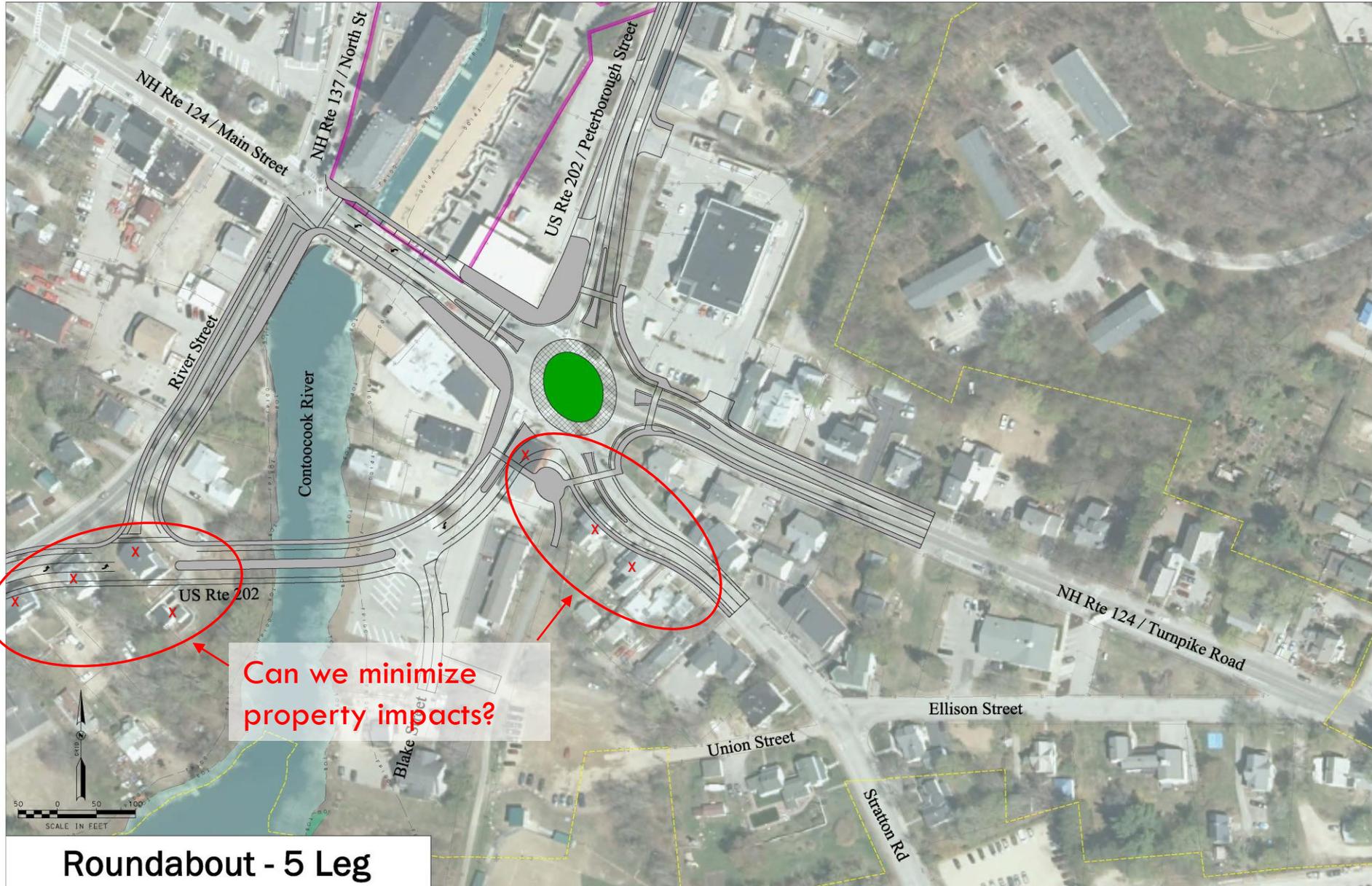
**Roundabout - 4 Leg**



**Roundabout - 5 Leg**

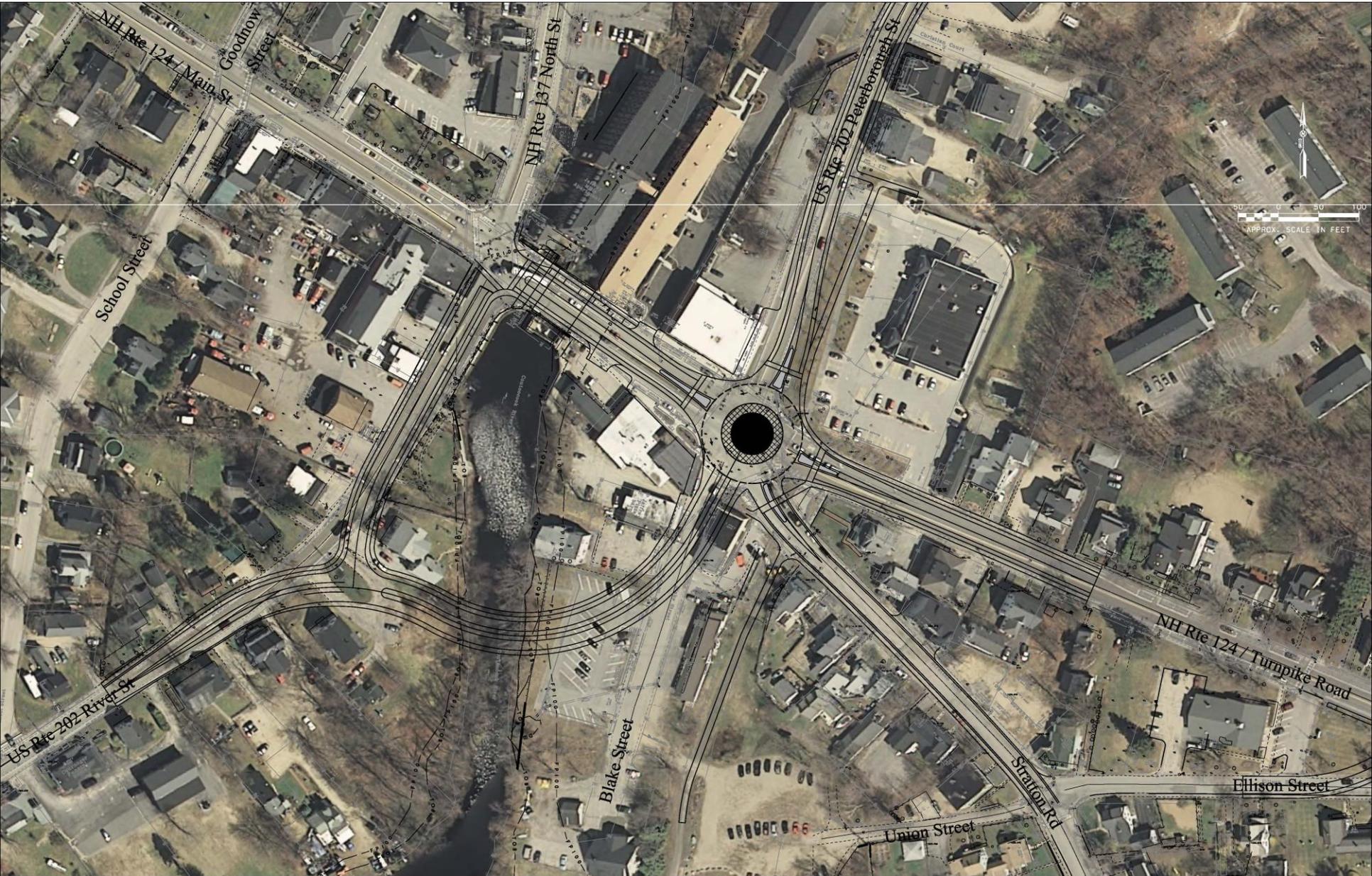
# INITIAL SCREENING OF ALTERNATIVES

		No Build	Alignment Alternatives			Intersection Alternatives			
			Alt 1	Alt 2	Alt 3	Five-Leg Signal	Four-Leg Signal	Five-Leg Roundabout	Four-Leg Roundabout
<b>Meets Project Purpose?</b>		No	Yes						
<b>Construction Cost</b> (2018 Dollars)			\$4.8 M	\$9.4 M	\$14.8 M	\$2.4 M	\$2.4 M	\$ 2.1 M	\$1.9 M
<b>Impacts</b>	<b>Metric</b>								
<b>Wetlands</b>	Wetland Impact (acres)	0	0.0	0.9	1.2	0	0	0	0
	Contoosook River Bank Impacts (lin ft)	0	15	292	38	0	0	0	0
	Other Stream Impacts (lin ft)	0	0	393	392	0	0	0	0
<b>Water Quality</b>	New Impervious Surface (acres)	0	0.5	2.0	2.0	0.2	0.3	0.2	0.2
<b>Floodplain</b>	100-year Floodplain Fill (acres)	0	0.0	0.9	1.3	0	0	0	0
	Floodway Impacts?	No	No	Yes	Yes	No	No	No	No
<b>Groundwater Resources</b>	New Impervious Surface - Stratified Drift (acres)	0	0.3	0.5	0.7	0.3	0.4	0.3	0.3
	New Impervious Surface - WHPA (acres)	0	0.0	0.1	0.4	0.0	0.1	0.0	0.1
<b>Threatened and Endangered Species/Habitat</b>	Tree Clearing -Potential NLEB Impact (acres)	0	0.1	1.8	2.2	0.0	0.0	0.0	0.0
	# State-Listed Populations Potentially Impacted	0	0	0	0	0	0	0	0
<b>Public Parks &amp; Recreation</b>	LWCF Property Impacts (acres)	0	0	0	1.1 (Community Park)	0	0	0	0
	# of Recreation Sites Impacted	0	0	0	1 (Community Park)	1 (Bissell Alderman Park)	1 (Bissell Alderman Park)	1 (Bissell Alderman Park)	1 (Bissell Alderman Park)
<b>Right-of-Way</b>	# of Parcels Impacted (Full or Partial)	0	14	20	14	7	8	9	4
	Structure Impacts	0	4 - Residential 0 - Commercial	8 - Residential 0 - Commercial	6 - Residential 0 - Commercial	0 - Residential 1 - Commercial	0 - Residential 1 - Commercial	2 - Residential 1 - Commercial	0 - Residential 1 - Commercial
<b>Cultural Resources</b>	# of Known Individually-Eligible Historic Properties Directly Affected	0	0	0	0	0	0	0	0
	# of Contributing Elements Directly Affected	0	3	3	2	1	1	2	1
	Archaeologically-Sensitive Area (acres)	0	0.3	3.1	2.0	0.1	0.1	0.1	0.1



Roundabout - 5 Leg

# TO REDUCE PROPERTY IMPACTS



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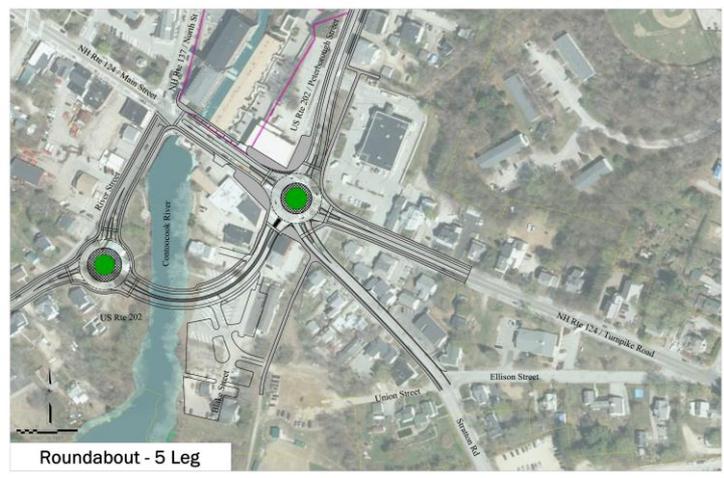
Roundabout - 5 Leg





Roundabout - 5 Leg





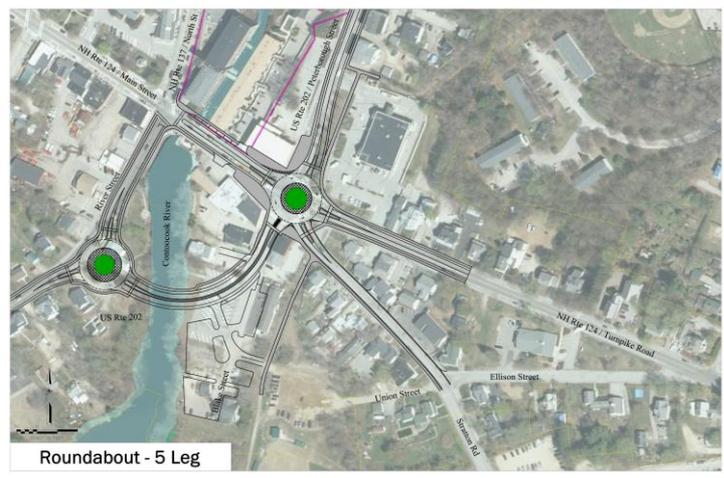
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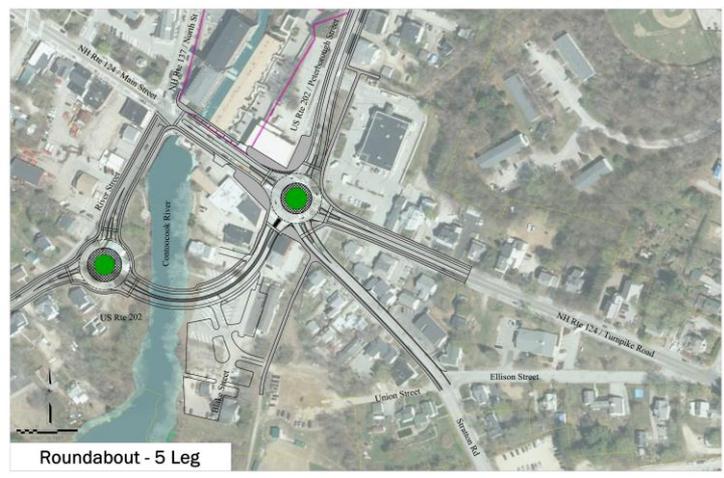
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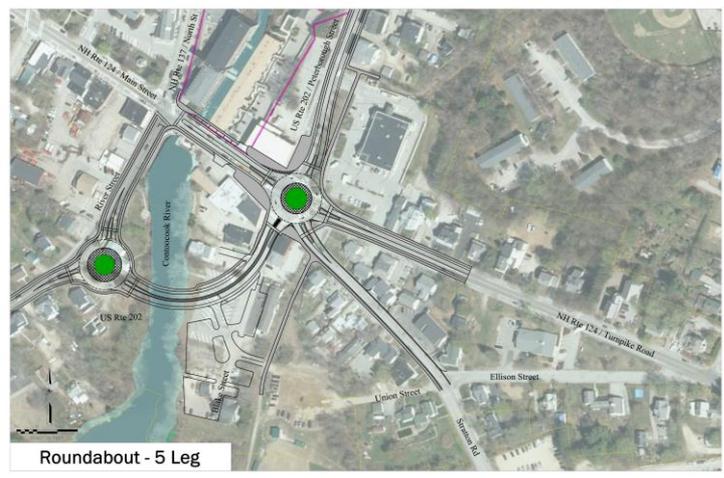
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Roundabout - 5 Leg





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